

Summary

The invention relates to a container 20, 30 for receiving an aqueous solution, which is formed at least partially by an outer limit 21 forming an inner chamber
5 22, 32 for receiving the solution, and which comprises at least one area which acts as an electrode 25, 26, 33, 34 when an electric voltage is applied and a subsequent discharge occurs, wherein at least one electrode 25, 26, 33, 34 is made of a conductive synthetic material at least based on a plastic material which is doped with at least one conductive substance. A container 20, 30 of
10 the above-mentioned kind is created this way, which is simple and economical to produce and also, for example, enables an efficient transfection of living cells by means of electroporation or an effective electrofusion.